

# Statement of Basis of the Federal Operating Permit

South Houston Green Power, LLC

Site Name: South Houston Green Power Site

Physical Location: 2501 5th Ave S

Nearest City: Texas City

County: Galveston

Permit Number: 02627

Project Type: Renewal

Standard Industrial Classification (SIC) Code: 4931

SIC Name: Electric and Other Services Combined

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

- A description of the facility/area process description;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: April 21, 2017

## Operating Permit Basis of Determination

### Permit Area Process Description

#### Power station No. 4

Power Station No. 4 is a combined cycle cogeneration power plant consisting of two gas turbines, two heat recovery steam generators (HRSG), a package boiler and related auxiliary equipment.

Two gas turbine driven generators produce electricity. The gas turbines also produce hot gas turbine exhaust which is routed to the HRSGs for use in the production of steam. The HRSG also have duct burners to increase the production and quality of steam. The steam is routed to a steam turbine which produces electricity and lower pressure steam for the customer or a pressure reduction valve that lowers the steam pressure and then delivers it to the customer.

The gas turbines combust natural gas only. The duct burners in the HRSG can burn natural gas, refinery gas, or a combination of both. The package boiler produces steam for customer use. The package boiler can burn natural gas, refinery gas, or a combination of both. A cooling tower is on site to meet the cooling demand of the auxiliary cooling load of the equipment mentioned above and the supporting auxiliary equipment.

#### Green Power 2

Green Power 2 is a combined cycle cogeneration power plant consisting of three gas turbines, three heat recovery steam generators (HRSG), and related auxiliary equipment. The equipment is laid out with one gas turbine, and one HRSG in a train.

Three gas turbine driven generators produce electricity. The gas turbines also produce hot gas turbine exhaust which is routed to the HRSGs for use in the production of steam. The HRSG also have duct burners to increase the production and quality of steam. The steam is routed to the steam turbine which produces electricity and lower pressure steam for the customer or a pressure reduction valve that lowers the steam pressure and then delivers it to the customer.

The steam can also be delivered to a steam turbine which converts the steam into electricity and recycles the steam/water back to condensate system. A cooling tower is located nearby to meet the cooling demands of the steam turbine condenser and the supporting auxiliary equipment.

### FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

### Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, SO <sub>2</sub> , PM, NO <sub>x</sub> , HAPs, CO
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### Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires

adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
  - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
  - Additional Monitoring Requirements
  - New Source Review Authorization Requirements
  - Compliance Requirements
  - Protection of Stratosphere Ozone
  - Permit Location
  - Permit Shield (30 TAC § 122.148)
- Attachments
  - Applicable Requirements Summary
    - Unit Summary
    - Applicable Requirements Summary
  - Additional Monitoring Requirements
  - Permit Shield
  - New Source Review Authorization References
  - Compliance Plan
  - Alternative Requirements
- Appendix A
  - Acronym list
- Appendix B
  - Copies of major NSR authorizations

### General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

### Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

### Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

## Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

## Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

**Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions**

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

#### **Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions**

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

#### **Federal Regulatory Applicability Determinations**

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

<b>Regulatory Program</b>	<b>Applicability (Yes/No)</b>
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	Yes
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	No
CSAPR (Cross-State Air Pollution Rule)	Yes

### **Basis for Applying Permit Shields**

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

### **Acid Rain Permit**

The permitted area is subject to Federal Clean Air Act Title IV Acid Rain rules for Phase II units, as codified in 40 CFR Parts 72 through 78, because it meets the definition of "affected source." Applicability of affected sources are defined in 40 CFR § 72.6 and include those sources that burn fossil fuel, and generates electricity for sale. Under 40 CFR Part 72, incorporated by reference into 30 TAC Chapter 122, all acid rain permits must contain specific terms and conditions, including monitoring, reporting, recordkeeping and excess emission requirements, established by the U.S. EPA. The Title IV permitting procedures are described within 30 TAC Chapter 122, Subchapter E. The applicable requirements of the Acid Rain Permit are contained in the Special Terms and Conditions of the FOP. The Acid Rain permit is effective as of the date of the issuance of the FOP and has a term ending in concurrence with the FOP.

### **Cross-State Air Pollution Rule**

The Cross-State Air Pollution Rule (CSAPR) was established to mitigate the interstate transport of NO<sub>x</sub> and SO<sub>2</sub> which contribute to the formation of fine particles (PM 2.5) and ground-level ozone and has replaced the previous Clean Air Interstate Rule (CAIR) program. The EPA has promulgated a model cap and trade program in 40 CFR Part 97 to implement CSAPR. This rule has been adopted by reference into 30 TAC Chapter 122 as part of an effective rulemaking (Rule Project No. 2016-012-122-AI), which included the repeal of 30 TAC Chapter 122, Subchapter E, Division 2: Clean Air Interstate Rule.

The permitted area is subject to CSAPR as it contains units that meet a definition of a CSAPR unit in 40 CFR Part 97 (CSAPR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs). The applicable CSAPR requirements are contained in the Special Terms and Conditions of the FOP.

### **Insignificant Activities**

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

## Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at [www.tceq.texas.gov/permitting/air/nav/air\\_all\\_ua\\_forms.html](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at [www.tceq.texas.gov/permitting/air/nav/air\\_supportsys.html](http://www.tceq.texas.gov/permitting/air/nav/air_supportsys.html). The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

### Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.



### Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
ENGP155B	30 TAC Chapter 117, Subchapter B	R7310	<p>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p> <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Petroleum-based diesel fuel</p> <p>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>Engine Type = Lean-burn</p> <p>NOx Reduction = None</p> <p>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Diesel HP Rating = Horsepower rating is 175 hp or greater, but less than 300 hp.</p>
ENGP155B	40 CFR Part 60, Subpart IIII	60IIII	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2011.</p> <p>Install Date = The CI ICE was installed in 2012 through 2015.</p>
ENGP155B	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Service Type = Normal use. Stationary RICE Type = Compression ignition engine
HRSG-1	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-1	30 TAC Chapter 117, Subchapter B	R7300-2	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-1	30 TAC Chapter	R7300-3	NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101,

Unit ID	Regulation	Index Number	Basis of Determination*
	117, Subchapter B		<p>Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-1	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSG-1	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRS-1	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSG-1	40 CFR Part 63, Subpart DDDDD	63DDDDD-02	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.
HRSG-2	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-2	30 TAC Chapter 117, Subchapter B	R7300-2	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSO-2	30 TAC Chapter 117, Subchapter B	R7300-3	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSO-2	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSG-2	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p>



Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSO-2	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSG-2	40 CFR Part 63, Subpart DDDDD	63DDDDD-02	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.
HRSG-3	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NO<sub>x</sub> Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NO<sub>x</sub> Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NH<sub>3</sub> Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NO<sub>x</sub> Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH<sub>3</sub> Emission Monitoring = Mass balance</p> <p>NO<sub>x</sub> Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-3	30 TAC Chapter	R7300-2	NO <sub>x</sub> Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101,

Unit ID	Regulation	Index Number	Basis of Determination*
	117, Subchapter B		<p>Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-3	30 TAC Chapter 117, Subchapter B	R7300-3	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Acid rain affected unit subject to continuous emissions monitoring requirements of 40 CFR Part 75.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
HRSG-3	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRSg-3	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRS-3	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = Constructed or reconstructed after July 9, 1997, and on or before February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system used to comply with 40 CFR Part 75.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
HRS-3	40 CFR Part 63, Subpart DDDDD	63DDDD-02	Construction/Reconstruction Date = Construction or reconstruction began after June 4, 2010.
PRS4-B410	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B410	30 TAC Chapter 117, Subchapter B	R7300-2	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B410	30 TAC Chapter 117, Subchapter B	R7300-3	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B410	40 CFR Part 60, Subpart D	60D-1	<p>Construction/Modification Date = After September 18, 1978.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel.</p> <p>Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.</p> <p>Alternate 43D = No alternative requirement is used for SO<sub>2</sub>, unit is complying with requirements of § 60.43(a) and (b).</p> <p>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).</p> <p>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.</p> <p>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for NO<sub>x</sub>.</p> <p>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.</p> <p>PM CEMS = The facility does not use a CEMS to measure PM.</p> <p>Fuel Sampling and Analysis = The unit does not use fuel sampling and analysis for monitoring of sulfur dioxide emissions.</p> <p>Gas or Liquid Fuel Only = Burns only gaseous or liquid fossil fuel (not residual oil) with potential SO<sub>2</sub> emissions rates of 0.060 lb/MMBtu or less, does not use post combustion technology to reduce of SO<sub>2</sub> or PM, and monitors SO<sub>2</sub> emissions by sampling or fuel receipts.</p> <p>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.</p> <p>Fuels with 0.33 Percent or Less Sulfur = Facility does not use post combustion technology (except a wet scrubber) for reducing PM, SO<sub>2</sub>, or CO, burns only gaseous fuels or fuel oils that contain 0.30 % sulfur by weight or less, and operates so CO emissions are 0.15 lb/MMBtu average.</p> <p>NOx Monitoring Type = It was demonstrated during the performance test that emissions of NO<sub>x</sub> are less than 70% of applicable standards in 40 CFR § 60.44.</p> <p>PM CEMS Petition = No petition has been granted to install a PM CEMS as an alternative to the CEMS for monitoring opacity emissions.</p>
PRS4-B410	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p>



Unit ID	Regulation	Index Number	Basis of Determination*
			<p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B410	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B410	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B410	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = On or before June 9, 1989.
PRS4-B410	40 CFR Part 63, Subpart DDDDD	63DDDDDD-01	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.
PRS4-B420	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NO<sub>x</sub> Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NO<sub>x</sub> Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NH<sub>3</sub> Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NO<sub>x</sub> Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH<sub>3</sub> Emission Monitoring = Mass balance</p> <p>NO<sub>x</sub> Reductions = Post combustion control technique with ammonia injection.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Annual Heat Input = Annual heat input is greater than 2.2(10 <sup>11</sup> ) Btu/yr, based on rolling 12-month average.
PRS4-B420	30 TAC Chapter 117, Subchapter B	R7300-2	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B420	30 TAC Chapter 117, Subchapter B	R7300-3	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NH3 Emission Monitoring = Mass balance</p> <p>NOx Reductions = Post combustion control technique with ammonia injection.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B420	40 CFR Part 60,	60D-1	Construction/Modification Date = After September 18, 1978.

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart D		<p>D-Series Fuel Type #1 = Gaseous fossil fuel.</p> <p>Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.</p> <p>Alternate 43D = No alternative requirement is used for SO<sub>2</sub>, unit is complying with requirements of § 60.43(a) and (b).</p> <p>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).</p> <p>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.</p> <p>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for NO<sub>x</sub>.</p> <p>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.</p> <p>PM CEMS = The facility does not use a CEMS to measure PM.</p> <p>Fuel Sampling and Analysis = The unit does not use fuel sampling and analysis for monitoring of sulfur dioxide emissions.</p> <p>Gas or Liquid Fuel Only = Burns only gaseous or liquid fossil fuel (not residual oil) with potential SO<sub>2</sub> emissions rates of 0.060 lb/MMBtu or less, does not use post combustion technology to reduce of SO<sub>2</sub> or PM, and monitors SO<sub>2</sub> emissions by sampling or fuel receipts.</p> <p>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.</p> <p>Fuels with 0.33 Percent or Less Sulfur = Facility does not use post combustion technology (except a wet scrubber) for reducing PM, SO<sub>2</sub>, or CO, burns only gaseous fuels or fuel oils that contain 0.30 % sulfur by weight or less, and operates so CO emissions are 0.15 lb/MMBtu average.</p> <p>NOx Monitoring Type = It was demonstrated during the performance test that emissions of NO<sub>x</sub> are less than 70% of applicable standards in 40 CFR § 60.44.</p> <p>PM CEMS Petition = No petition has been granted to install a PM CEMS as an alternative to the CEMS for monitoring opacity emissions.</p>
PRS4-B420	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B420	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B420	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B420	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = On or before June 9, 1989.
PRS4-B420	40 CFR Part 63, Subpart DDDDD	63DDDDDD-01	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.
PRS4-B430	30 TAC Chapter 117, Subchapter B	R7300-1	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NOx Reductions = No NO<sub>x</sub> reduction.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B430	30 TAC Chapter 117, Subchapter B	R7300-2	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or</p>



Unit ID	Regulation	Index Number	Basis of Determination*
			<p>117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NOx Reductions = No NO<sub>x</sub> reduction.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B430	30 TAC Chapter 117, Subchapter B	R7300-3	<p>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Opt-in Unit = The unit is not an opt-in eligible unit or the option is not exercised.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Fuel Type #1 = Natural gas.</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>NOx Emission Limit Average = Emission limit in pounds/hour on a block one-hour average.</p> <p>NOx Reductions = No NO<sub>x</sub> reduction.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p>
PRS4-B430	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO<sub>2</sub> monitoring.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B430	40 CFR Part 60, Subpart Db	60Db-2	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B430	40 CFR Part 60, Subpart Db	60Db-3	<p>Construction/Modification Date = After June 19, 1984, and on or before June 19, 1986.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NO<sub>x</sub> Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Electrical or Mechanical Output = More than 10% of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> Monitoring Type = No SO<sub>2</sub> monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Output Based Limit = The facility is not electing to comply with the output based limit in § 60.44b(l)(3).</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Technology Type = None.</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>Steam with Electricity = The facility generates process steam in combination with electricity.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Electricity Only = The facility does not generate electricity only.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>
PRS4-B430	40 CFR Part 60, Subpart Dc	60Dc	<p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than 100 MMBtu/hr (29 MW).</p>
PRS4-B430	40 CFR Part 63, Subpart DDDDD	63DDDDDD-01	Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010.
CTG-1	30 TAC Chapter 117, Subchapter B	R7300	<p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1).</p> <p>EGF System Cap Unit = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NH<sub>3</sub> Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NO<sub>x</sub> Reduction = Post combustion control technique with ammonia injection.</p> <p>Service Type = Stationary gas turbine.</p> <p>NH<sub>3</sub> Monitoring = Mass balance.</p> <p>NO<sub>x</sub> Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NO<sub>x</sub> Monitoring System = Continuous emissions monitoring system.</p>
CTG-1	40 CFR Part 60, Subpart GG	60GG	<p>Duct Burner = The turbine is part of a combined cycle turbine system equipped with supplemental heat (duct burner).</p> <p>NO<sub>x</sub> Control Method = Selective catalytic reduction.</p> <p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>NO<sub>x</sub> Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>NO<sub>x</sub> Monitoring Method = Continuous emission monitoring system.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Sulfur Content = Compliance is not demonstrated by determining the sulfur content of the fuel.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Subpart GG Service Type = Electric utility generation.</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Previously approved custom fuel monitoring schedule.</p>
CTG-1	40 CFR Part 63, Subpart YYYY	63YYYY	<p>Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>Rate Peak Power Output = Power output rating is one megawatt or greater.</p> <p>Type of Service = Turbine is used in non-emergency service.</p> <p>Fuel Fired = Turbine is fired with natural gas.</p> <p>Turbine Combustion Process = Combustion process is lean-premix staged combustion.</p> <p>Oxidation Catalyst = The turbine is controlled with an oxidation catalyst.</p> <p>Previous Performance Test = No previous performance test was conducted.</p> <p>Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine.</p>
CTG-2	30 TAC Chapter 117, Subchapter B	R7300	<p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1).</p> <p>EGF System Cap Unit = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Reduction = Post combustion control technique with ammonia injection.</p> <p>Service Type = Stationary gas turbine.</p> <p>NH3 Monitoring = Mass balance.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p>
CTG-2	40 CFR Part 60, Subpart GG	60GG	<p>Duct Burner = The turbine is part of a combined cycle turbine system equipped with supplemental heat (duct burner).</p> <p>NOx Control Method = Selective catalytic reduction.</p> <p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>NOx Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>NOx Monitoring Method = Continuous emission monitoring system.</p> <p>Sulfur Content = Compliance is not demonstrated by determining the sulfur content of the fuel.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Subpart GG Service Type = Electric utility generation.</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Previously approved custom fuel monitoring schedule.</p>
CTG-2	40 CFR Part 63, Subpart YYYY	63YYYY	<p>Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>Rate Peak Power Output = Power output rating is one megawatt or greater.</p> <p>Type of Service = Turbine is used in non-emergency service.</p> <p>Fuel Fired = Turbine is fired with natural gas.</p> <p>Turbine Combustion Process = Combustion process is lean-premix staged combustion.</p> <p>Oxidation Catalyst = The turbine is controlled with an oxidation catalyst.</p> <p>Previous Performance Test = No previous performance test was conducted.</p> <p>Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine.</p>
CTG-3	30 TAC Chapter 117, Subchapter B	R7300	<p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1).</p> <p>EGF System Cap Unit = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Reduction = Post combustion control technique with ammonia injection.</p> <p>Service Type = Stationary gas turbine.</p> <p>NH3 Monitoring = Mass balance.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p>
CTG-3	40 CFR Part 60, Subpart GG	60GG	<p>Duct Burner = The turbine is part of a combined cycle turbine system equipped with supplemental heat (duct burner).</p> <p>NOx Control Method = Selective catalytic reduction.</p> <p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>NOx Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>NOx Monitoring Method = Continuous emission monitoring system.</p> <p>Sulfur Content = Compliance is not demonstrated by determining the sulfur content of the fuel.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Subpart GG Service Type = Electric utility generation.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage. Fuel Monitoring Schedule = Previously approved custom fuel monitoring schedule.
CTG-3	40 CFR Part 63, Subpart YYYY	63YYYY	Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003. Rate Peak Power Output = Power output rating is one megawatt or greater. Type of Service = Turbine is used in non-emergency service. Fuel Fired = Turbine is fired with natural gas. Turbine Combustion Process = Combustion process is lean-premix staged combustion. Oxidation Catalyst = The turbine is controlled with an oxidation catalyst. Previous Performance Test = No previous performance test was conducted. Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine.
PRS4-B410T	30 TAC Chapter 117, Subchapter B	R7300	Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Megawatt Rating = MR is greater than or equal to 30 MW. CO Emission Limitation = Title 30 TAC § 117.310(c)(1). EGF System Cap Unit = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid. Averaging Method = Complying with the applicable emission limits using a block one-hour average. CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2). NOx Reduction = Post combustion control technique with ammonia injection. Service Type = Stationary gas turbine. NH3 Monitoring = Mass balance. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11). NOx Monitoring System = Continuous emissions monitoring system.
PRS4-B410T	40 CFR Part 60, Subpart GG	60GG	Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr) Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004. Sulfur Content = Compliance is not demonstrated by determining the sulfur content of the fuel. Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam. Fuel Type Fired = Natural gas meeting the definition in § 60.331(u). Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation. Federal Register = Not required in the September 10, 1979 Federal Register (44 FR 52792) to comply with 40 CFR § 60.332(a)(1). Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage. Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored. Manufacturer's Rated Base Load = Base load is greater than 30 MW.
PRS4-B410T	40 CFR Part 63, Subpart YYYY	63YYYY	Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003. Rate Peak Power Output = Power output rating is one megawatt or greater.

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Type of Service = Turbine is used in non-emergency service.</p> <p>Fuel Fired = Turbine is fired with natural gas.</p> <p>Turbine Combustion Process = Combustion process is lean-premix staged combustion.</p> <p>Oxidation Catalyst = The turbine is controlled with an oxidation catalyst.</p> <p>Previous Performance Test = No previous performance test was conducted.</p> <p>Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine.</p>
PRS4-B420T	30 TAC Chapter 117, Subchapter B	R7300	<p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1).</p> <p>EGF System Cap Unit = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).</p> <p>NOx Reduction = Post combustion control technique with ammonia injection.</p> <p>Service Type = Stationary gas turbine.</p> <p>NH3 Monitoring = Mass balance.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p>
PRS4-B420T	40 CFR Part 60, Subpart GG	60GG	<p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>Sulfur Content = Compliance is not demonstrated by determining the sulfur content of the fuel.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.</p> <p>Federal Register = Not required in the September 10, 1979 Federal Register (44 FR 52792) to comply with 40 CFR § 60.332(a)(1).</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored.</p> <p>Manufacturer's Rated Base Load = Base load is greater than 30 MW.</p>
PRS4-B420T	40 CFR Part 63, Subpart YYYY	63YYYY	<p>Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>Rate Peak Power Output = Power output rating is one megawatt or greater.</p> <p>Type of Service = Turbine is used in non-emergency service.</p> <p>Fuel Fired = Turbine is fired with natural gas.</p> <p>Turbine Combustion Process = Combustion process is lean-premix staged combustion.</p> <p>Oxidation Catalyst = The turbine is controlled with an oxidation catalyst.</p>



Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Previous Performance Test = No previous performance test was conducted.</p> <p>Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine.</p>
805-CLGTWR	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
COG-CTWR1	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
PRS4-CTWR	40 CFR Part 63, Subpart Q	63Q	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
HRSG-1V	30 TAC Chapter 111, Visible Emissions	R1111	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>
HRSG-1V	30 TAC Chapter 115, HRVOC Vent Gas	R115-001	<p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>
HRSG-2V	30 TAC Chapter 111, Visible Emissions	R1111	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>
HRSG-2V	30 TAC Chapter 115, HRVOC Vent Gas	R115-001	<p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>
HRSG-3V	30 TAC Chapter 111, Visible Emissions	R1111	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.
HRSG-3V	30 TAC Chapter 115, HRVOC Vent Gas	R115-001	HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times. Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft <sup>3</sup> /hr). Exempt Date = The vent gas stream is not exempt.
PRS4-B410V	30 TAC Chapter 111, Visible Emissions	R1111	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.
PRS4-B410V	30 TAC Chapter 115, HRVOC Vent Gas	R115-001	HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times. Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft <sup>3</sup> /hr). Exempt Date = The vent gas stream is not exempt.
PRS4-B420V	30 TAC Chapter 111, Visible Emissions	R1111	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.
PRS4-B420V	30 TAC Chapter 115, HRVOC Vent Gas	R115-001	HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times. Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft <sup>3</sup> /hr). Exempt Date = The vent gas stream is not exempt.
PRS4-B430V	30 TAC Chapter 111, Visible Emissions	R1111	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.
PRS4-B430V	30 TAC Chapter	R115-001	HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.

Unit ID	Regulation	Index Number	Basis of Determination*
	115, HRVOC Vent Gas		Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft <sup>3</sup> /hr). Exempt Date = The vent gas stream is not exempt.

\* - The "unit attributes" or operating conditions that determine what requirements apply

## NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

## New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/old106list/index106.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html)

Outdated Standard Exemption lists may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/oldselist/se\\_index.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html)

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

[www.tceq.texas.gov/permitting/air/nav/air\\_status\\_permits.html](http://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html)

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX649	Issuance Date: 11/10/2016
PSD Permit No.: PSDTX981	Issuance Date: 05/21/2014
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 46042	Issuance Date: 05/21/2014
Authorization No.: 9463	Issuance Date: 11/10/2016
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.266	Version No./Date: 09/04/2000
Number: 106.316	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.451	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

**Emission Units and Emission Points**

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table" or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

**Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

**Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected****Periodic Monitoring:**

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: HRSG-1V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: HRSG-2V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	



Unit/Group/Process Information	
ID No.: HRSG-3V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B410	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions above 20% opacity	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B410	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO <sub>x</sub>	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: 0.200 lb NOx/MMBtu	
<p>Basis of monitoring:</p> <p>It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B410V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B420	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions above 20% opacity	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B420	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO <sub>x</sub>	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: 0.200 lb NOx/MMBtu	
<p>Basis of monitoring:</p> <p>It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B420V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: PRS4-B430V	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity in excess of 15%	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	



## Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on March 13, 2017.

Site rating: 2.00 / Satisfactory Company rating: 2.00 / Satisfactory

(High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)

2. Has the permit changed on the basis of the compliance history or site/company rating? .....No

## Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS? .....No

2. Is a compliance plan and schedule included in the permit? .....No

## Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes

OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes

OP-UA3 - Storage Tank/Vessel Attributes

OP-UA4 - Loading/Unloading Operations Attributes

OP-UA5 - Process Heater/Furnace Attributes

OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes

OP-UA7 - Flare Attributes

OP-UA8 - Coal Preparation Plant Attributes

OP-UA9 - Nonmetallic Mineral Process Plant Attributes

OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes

OP-UA11 - Stationary Turbine Attributes

OP-UA12 - Fugitive Emission Unit Attributes

OP-UA13 - Industrial Process Cooling Tower Attributes

OP-UA14 - Water Separator Attributes

OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes

OP-UA16 - Solvent Degreasing Machine Attributes

OP-UA17 - Distillation Unit Attributes

OP-UA18 - Surface Coating Operations Attributes

OP-UA19 - Wastewater Unit Attributes

OP-UA20 - Asphalt Operations Attributes

OP-UA21 - Grain Elevator Attributes

OP-UA22 - Printing Attributes

OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes

OP-UA25 - Synthetic Fiber Production Attributes

OP-UA26 - Electroplating and Anodizing Unit Attributes

OP-UA27 - Nitric Acid Manufacturing Attributes

OP-UA28 - Polymer Manufacturing Attributes

OP-UA29 - Glass Manufacturing Unit Attributes

OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semi-chemical Pulp Mill Attributes

OP-UA31 - Lead Smelting Attributes

OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes

OP-UA33 - Metallic Mineral Processing Plant Attributes

OP-UA34 - Pharmaceutical Manufacturing

OP-UA35 - Incinerator Attributes

OP-UA36 - Steel Plant Unit Attributes

OP-UA37 - Basic Oxygen Process Furnace Unit Attributes

OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes

OP-UA39 - Sterilization Source Attributes

OP-UA40 - Ferroalloy Production Facility Attributes

OP-UA41 - Dry Cleaning Facility Attributes

OP-UA42 - Phosphate Fertilizer Manufacturing Attributes

OP-UA43 - Sulfuric Acid Production Attributes

OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes

OP-UA45 - Surface Impoundment Attributes

OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes  
OP-UA47 - Ship Building and Ship Repair Unit Attributes  
OP-UA48 - Air Oxidation Unit Process Attributes  
OP-UA49 - Vacuum-Producing System Attributes  
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes  
OP-UA51 - Dryer/Kiln/Oven Attributes  
OP-UA52 - Closed Vent Systems and Control Devices  
OP-UA53 - Beryllium Processing Attributes  
OP-UA54 - Mercury Chlor-Alkali Cell Attributes  
OP-UA55 - Transfer System Attributes  
OP-UA56 - Vinyl Chloride Process Attributes  
OP-UA57 - Cleaning/De-painting Operation Attributes  
OP-UA58 - Treatment Process Attributes  
OP-UA59 - Coke By-Product Recovery Plant Attributes  
OP-UA60 - Chemical Manufacturing Process Unit Attributes  
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes  
OP-UA62 - Glycol Dehydration Unit Attributes  
OP-UA63 - Vegetable Oil Production Attributes